


# MATERIAL DECLARATION SHEET



Material Number	SRF0504-402Y			
Product Line	SMD Line Filter			
Compliance Date	2024/6/11			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	DR Core	Ferrite	0.143	Iron oxide (Fe2O3)	1309-37-1	65.0%	37.180%	57.20
				Nickel oxide (NiO)	1313-99-1	11.0%	6.292%	
				Zinc oxide (ZnO)	1314-13-2	20.5%	11.726%	
				Cupric Oxide (CuO)	1317-38-0	3.5%	2.002%	
		Plating-Ag	0.008	Silver(Ag)	7440-22-4	100.0%	3.200%	8.00
		Plating-Ni	0.004	Nickel (Ni)	7440-02-0	100.0%	1.600%	
Plating-Sn	0.008	Tin (Sn)	7440-31-5	100.0%	3.200%			
2	WIRE	COPPER(C11000)	0.04	Copper(Cu)	7440-50-8	99.95%	16.332%	16.34
				Misc. ,not to declare	\	0.05%	0.008%	
		RESIN	0.003	Polyurethane	9009-54-5	100.00%	0.860%	0.86
3	Adhesive	Adhesive	0.015	Bisphenol A Epoxy Resin	25068-38-6	64.9%	3.894%	6.00
				Epoxy thinning agent	68609-97-2	5.3%	0.319%	
				carbon black	1333-86-4	5.3%	0.319%	
				Aluminium hydroxide	21645-51-2	24.5%	1.468%	
5	Solder bar	Tin	0.012	Tin (Sn)	7440-31-5	96.50%	4.632%	4.80
				Silver(Ag)	7440-22-4	3.00%	0.144%	
				Copper(Cu)	7440-50-8	0.50%	0.024%	
6	Ink	Epoxy	0.002	Solvent Black 29	61901-87-9	25.5%	0.204%	0.80
				Polyacrylic acid	9003-01-4	62.0%	0.496%	
				Silicone oil	63148-62-9	12.5%	0.100%	

# MATERIAL DECLARATION SHEET

**BOURNS®**

Total weight	0.235
--------------	-------

This Document was updated on: **2024/6/11**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.